

Patent Abstracts of Japan

PUBLICATION NUMBER : 01078799
PUBLICATION DATE : 24-03-89

APPLICATION DATE : 21-09-87
APPLICATION NUMBER : 62236970

APPLICANT : ELNA CO LTD;

INVENTOR : KANBARA TORU;

INT.CL. : B26D 7/18 H05K 3/00

TITLE : MANUFACTURE OF PRINTED BOARD

ABSTRACT : PURPOSE: To enhance the productivity of printed wirings by giving ultrasonic vibrations under liquid to a printed circuit board having punching scraps in through holes, and removing the scraps simply.

CONSTITUTION: A printed circuit board having clogged holes is immersed in a liquid (for example, water, glycol, etc.), and ultrasonic waves of for example 19.5 Hz are impressed to the board for three min. Thereby the board is vibrated, and the scraps are allowed to fall out from the through holes in the board and are removed.

COPYRIGHT: (C)1989,JPO